

Storm Data and Unusual Weather Phenomena - November 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
TEXAS, North				
(TX-Z091) MONTAGUE, (TX-Z092) COOKE, (TX-Z093) GRAYSON, (TX-Z094) FANNIN, (TX-Z095) LAMAR, (TX-Z100) YOUNG, (TX-Z105) HUNT, (TX-Z106) DELTA, (TX-Z107) HOPKINS, (TX-Z115) STEPHENS, (TX-Z116) PALO PINTO, (TX-Z117) PARKER, (TX-Z120) ROCKWALL, (TX-Z121) KAUFMAN, (TX-Z122) VAN ZANDT, (TX-Z123) RAINS, (TX-Z129) EASTLAND, (TX-Z130) ERATH, (TX-Z131) HOOD, (TX-Z132) SOMERVELL, (TX-Z133) JOHNSON, (TX-Z134) ELLIS, (TX-Z135) HENDERSON, (TX-Z141) COMANCHE, (TX-Z142) MILLS, (TX-Z143) HAMILTON, (TX-Z144) BOSQUE, (TX-Z145) HILL, (TX-Z146) NAVARRO, (TX-Z147) FREESTONE, (TX-Z148) ANDERSON, (TX-Z156) LAMPASAS, (TX-Z157) CORYELL, (TX-Z158) BELL, (TX-Z159) MCLENNAN, (TX-Z160) FALLS, (TX-Z161) LIMESTONE, (TX-Z162) LEON, (TX-Z174) MILAM, (TX-Z175) ROBERTSON				
	11/01/11 00:00 CST		2K	Drought
	11/30/11 23:59 CST		0.32M	
Drought conditions across portions of north Texas continued to improve during the month. Several counties in the northwestern portion of the County Warning Area (CWA) improved below severe drought status after 2 inches of rain fell during the month. Other areas, primarily north of Interstate 20, also improved. Counties in the southern portions of the CWA saw little rainfall and remained in exceptional drought. By the end of the month, only 12 out of 46 counties had burn bans in place. Although recent rainfall improved some of the overall drought conditions, the rain was easily absorbed into the ground and did not runoff into local lakes. Many lakes and reservoirs remained well below normal and water restrictions remained in place for many municipalities. In Limestone County, the drought impacts became so severe that the town of Groesbeck nearly ran dry of water near the end of the month.				
WISE COUNTY --- 2.7 W BOYD [33.08, -97.63]				
	11/08/11 08:30 CST		10K	Lightning
	11/08/11 08:30 CST		0	Source: Broadcast Media
Lightning struck a salt injection plant located near County Roads 4590 and 4591, west of Boyd. Seven of the eight storage tanks caught on fire.				
Lightning struck a salt injection plant near Boyd in Wise County igniting 7 storage tanks on fire.				
COOKE COUNTY --- 5.0 ENE BURNS [33.55, -96.95]				
	11/20/11 20:30 CST		0	Hail (1.25 in)
	11/20/11 20:30 CST		0	Source: Emergency Manager
Hail stones slightly larger than 1" in diameter were reported west of Collinsville in Cooke County.				
Showers and thunderstorms developed mainly north of Interstate 20 and behind a cold front. The overall upward forcing behind the surface cold front was weak, and thus all of the storms remained below severe limits; however, one storm did produce hail slightly larger than 1" in diameter near Collinsville in Cooke County.				
GRAYSON COUNTY --- BELLS [33.61, -96.41]				
	11/21/11 18:45 CST		0	Thunderstorm Wind (EG 52 kt)
	11/21/11 18:45 CST		0	Source: Emergency Manager
Small trees and several power lines were blown down by thunderstorm winds in Bells.				
MCLENNAN COUNTY --- 1.8 NNW HEWITT [31.49, -97.21]				
	11/21/11 23:17 CST		0	Hail (1.00 in)
	11/21/11 23:17 CST		0	Source: Broadcast Media
Penny to quarter sized hail was reported by the public at the Walmart at Hewitt.				
MCLENNAN COUNTY --- WACO [31.55, -97.15]				
	11/21/11 23:23 CST		0	Hail (0.88 in)
	11/21/11 23:23 CST		0	Source: Broadcast Media
Brief dime to nickel sized hail fell on the south side of Waco at I-35 and New Road.				
MCLENNAN COUNTY --- 1.7 SSE EAST WACO [31.55, -97.11]				
	11/21/11 23:25 CST		0.50K	Hail (0.75 in)
	11/21/11 23:25 CST		0	Source: Broadcast Media
Dime sized hail covered the ground at the Baylor University campus.				

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A complicated weather set-up resulted in a few severe thunderstorms in north Texas. A cold front had moved through the region the day before but stalled across the southern counties of the CWA. In response to a strong shortwave approaching from the west, part of the cold front retreated north as a warm front. Elevated storms did develop north of the front, but severe sized hail was not reported with these storms. However, a few surface based storms finally formed along the front during the evening hours and produced penny to quarter sized hail in McLennan County.